Technical Specifications - Sewer Support Grove Street over the Hockanum River

The selected contractor shall supply all materials, equipment and labor to complete the installation as detailed in the contract documents.

The State of CT. Department of Transportation has already issued an Encroachment Permit to the Town of Vernon for this project. The selected contractor shall provide all the necessary documentation and coordination to transfer this permit to their name.

Concurrent with this project, the Town of Vernon has engaged Stamford Demolition Services, Inc. to demolition several buildings in the Amerbelle Mill Complex, one of which is the building presently supporting the Grove Street Sanitary Sewer. The Selected Contractor shall coordinate with Stamford Demolition and their subcontractors, if any, with regard to access, work schedule, other related site activities to insure the overall site security, public safety and to minimize conflicts between various work forces.

Reference is made to the accompanying Drawing entitled:
"New Support System Grove Street Sanitary Sewer Over the Hockanum River, Route 31, Rockville, CT." , dated 4/7/16, sheet 1 and 2 of 2.

The contractor shall verify all field dimensions and notify the Town Engineer of any inconsistencies or errors discovered prior to commencement of any activities on this project.

The contractor shall be solely responsible to maintain a secure site and to protect the work area from the public. Remove and store existing fencing for later reinstallation. Provide adequate barricades or temporary fencing as needed to protect the work area.

I – Beam Supports- The beams shown on the reference drawings are specified as Wide Flange Beams with standard dimensions and weight/foot. Each piece shall be documented from the fabricator to have Modulus of Elasticity 29000 ksi, and a Yield Strength of 36 ksi. Beams shall be new, not repurposed. Steel shall be surface prepped to STPC SP-6 Commercial condition and free of rust, scale, dirt, oils/grease. All beams shall be Primed with Inorganic Zinc primer (2-3 mils). Top Coat shall be flat black epoxy based paint (3-4 mils). The northerly I-Beam spacer shall be customized to follow the retaining wall's alignment. Miter the components and weld with full penetration. Grind off excess material and clean, prime and paint as noted above.

The contractor shall insure that the integrity of the steel and the painted surface is preserved by protecting from damage or contamination with foreign materials during transport, on-site storage and handling during the installation.

Hanger Cradles shall be fabricated as shown on the referenced drawing of 36"x3"x3/8" mild steel. Steel shall be free of rust, scale, dirt, oils/grease. All pieces shall be Primed with Inorganic Zinc primer (2-3 mils). Top Coat shall be flat black epoxy based paint (3-4 mils). Priming and Painting shall be done before installation.

Threaded rod, washers, beam clamps and nuts shall be zinc coated commercially available products sized as shown on the referenced drawings.

Epoxy anchor system shall be Quikrete High Strength or equal. Drill and prepare hole as per manufacturer's instructions. Do not disturb anchor until cure time has been provided.

Install I-Beam spacer after Epoxy Grout anchor has set. Use Quikrete non-shrink grout or equal, installed per manufacturer's instruction to provide full support under the I-Beam spacers.

Carefully remove existing wooden louver system from the building prior to installation of the carrying beam and existing supports. No debris shall be allowed to fall into the raceway. Dispose of all waste materials in a lawful manner. Installation of the carrying beam may be possible prior to the removal of the existing support brackets, however the selected contractor shall confirm this sequence of work prior to commencement of the installation. Under no circumstances shall the existing pipe be fully or partially unsupported. Provide adequate temporary supports if one or more brackets need to be removed to set carrying beam. New strap hangers shall be installed, adjusted as needed to provide uniform pipe support before existing hangers, existing steel brackets and/or temporary supports are removed.

The selected contractor shall have 45 days to complete this installation from the notice to proceed. Final acceptance by the Town shall be provided by the Town Engineer in consultation with the Director of the Water Pollution Control Authority, upon the full completion of this installation including clean-up, site restoration and reinstallation of the existing fencing as directed.